

#22.

Hawaiian Explorations.

D^r 4174-4190.

H^x 4694-4720.

Aug. 11th - 27th, 1902.

4716 Hy.
12 Aug.
929 fms.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

384 Cat Log 47.

No. 4174 Date Aug 11, 1902

Machine #1 Reel. Navy

Turns 675 Cor. + 60 Depth 735 fm

Shot or lead 35 lb

Bottom Gy. S. M. Glob. R

Bottom temperature 38.0

No. of thermometer 98237 Cor. —

Corrected temperature 38.0

Air 81 Surface 78 Drift { north 1.3'

Trawl or dredge 9' Tanner

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9-27.40	42.15	0	9-50.20	41.00
28.30	41.10	100	54.10	37.10
29.20	40.15	200	58.20	33.40
30.15	39.15	300	10-01.50	30.20
31.10	38.10	400	05.35	27.05
32.15	37.15	500	10.10	23.40
33.20	36.10	600	14.00	19.35
34.20	35.30	700	18.05	15.15
		800	22.40	11.10
		900	26.50	11-02.30
		1000	* 30.20	02.40
		1100	* 37.00	43.05
		1200	10-40.40	
		1300	3 min	
		1400		
		1500	Soft bottom	
		1600	at 1015 f	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

West Coast of Michuan Island
Kona Point. $\angle 18^{\circ}45' E, 6 \frac{7}{10}'$

OK
H.C.
2

4310 205
675 145
3635 62
670
738

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Net	50 4174	=	384
50	"	By 4694		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Saved to 1122 fms under 4000
straw.

One bridle strap carried away
net slightly torn; frame slightly
torn.

Smithsonian Institution
 No. *4694* Hy. Date *Aug 11 1902.*
Sigsbee Machine. #1 Reel. *Trin.*
 Turns *795* Cor. + *70* Depth *865 fms*
 Shot or lead *35 lb.*
 Bottom *gy s. brk sk sh*
 Bottom temperature *37.2*
 No. of thermometer *78237* Cor. *-0*
 Corrected temperature *37.2*
 Air *80* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-44.55</i>	<i>12.01.05</i>	0		
<i>45.45</i>	<i>12.00.10</i>	100		
<i>46.40</i>	<i>59.15</i>	200		
<i>47.35</i>	<i>58.55</i>	300		
<i>48.35</i>	<i>58.00</i>	400		
<i>49.30</i>	<i>57.05</i>	500		
<i>50.40</i>	<i>56.10</i>	600		
<i>51.45</i>	<i>55.20</i>	700		
<i>11.52.50</i>	<i>11.54.20</i>	<i>795</i>		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kona Point, S 16° E, 7⁸/₁₀'

OK 800 74		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
	4310	205	3500
	795	135	3600
	3515	70	3700
		795	3800
		865	3900
			4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4695* *HY* Date *11th Aug. '07*
Sigsbee Machine. / Reel. *Wavy*
 Turns *1063* Cor. + *91* # Depth *1154* fms
 Shot or lead *36 lb.*
 Bottom *36°*
 Bottom temperature
 No. of thermometer *98237* Cor. *-0*
 Corrected temperature *36.0°*
 Air *79* Surface *77* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.31.40</i>	<i>12.53.10</i>	0		
<i>32.20</i>	<i>52.10</i>	100		
<i>33.20</i>	<i>51.10</i>	200		
<i>34.15</i>	<i>50.10</i>	300		
<i>35.10</i>	<i>49.10</i>	400		
<i>36.05</i>	<i>48.15</i>	500		
<i>37.05</i>	<i>47.15</i>	600		
<i>38.00</i>	<i>46.15</i>	700		
<i>39.00</i>	<i>45.15</i>	800		
<i>40.05</i>	<i>44.15</i>	900		
<i>41.10</i>	<i>43.15</i>	1000		
<i>41.50</i>	<i>42.30</i>	<i>1063</i>		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kona Point, S 15° E, 10 ⁷/₁₀'

OK
H. H.
12

4310 20V
1063 114
3247 91
1063
1154

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4696* Date *Aug 02*
 Machine. *Reel*
 Turns *334* Cor. + *33* Depth *367 fms*
 Shot or lead *69*
 Bottom *gy. br. s. Msh*
 Bottom temperature *41.2*
 No. of thermometer *98227* Cor. *-0*
 Corrected temperature *41.7°*
 Air *79* Surface *77* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.57.25</i>	<i>2.04.01</i>	0		
<i>58.10</i>	<i>03.00</i>	100		
<i>59.00</i>	<i>02.00</i>	200		
<i>59.50</i>	<i>01.01</i>	300		
<i>2.00.15</i>	<i>2.00.50</i>	<i>334</i>		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kona Point, S 18° W, 10' 10'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 15-

No. 4697 Date 11/15/11

Machine. Reel.

Turns 260 Cor. + 26 Depth 286 fms

~~Shot or lead~~ 36

Bottom gy. s. bl. S. bl. b.

Bottom temperature 41

No. of thermometer 98237 Cor. - 0

Corrected temperature 41.0

Air 79 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
2.43.00	2.47.00	0		
44.00	48.10	100		
45.10	47.20	200		
46.00		260		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Nonapoint, 837° W, 11 7/10'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4170

Date 1/17

Machine.

Reel.

Turns 196

Cor. +

20

Depth 216

7101

Shot or lead 36

Bottom fine gy. S. R.

Bottom temperature 41.5°

No. of thermometer 57

Cor. -0

Corrected temperature 41.5°

Air 81

Surface 77

Drift 1.7'

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

196

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2.1.30

3.2.5

4.3.20

5.4.20

6.5.20

7.6.20

8.7.20

9.8.20

10.9.20

11.10.20

12.11.20

13.12.20

14.1.20

15.2.20

16.3.20

17.4.20

18.5.20

19.6.20

20.7.20

21.8.20

22.9.20

23.10.20

24.11.20

25.12.20

26.1.20

27.2.20

28.3.20

29.4.20

30.5.20

31.6.20

32.7.20

33.8.20

34.9.20

35.10.20

36.11.20

37.12.20

38.1.20

39.2.20

40.3.20

Kona Point, S 43° 15' N, 12.5'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	* When 580 fms were in, the cable parted. Lost the Liner, 8 lb. tangles, the frame, and 570 lbs of the dredge cable. Cable caught in 12th fms.			
100				
200				
300				
400				
500	Lost 570 fms cable, 1 complete lower frame & 2 lower frames, 150 # dredging bucket, 2 Gasby clips, shackles, etc.			
600				
700				
800				
900				
1000				

REMARKS:

007.

No. 4698 44.

Date 11 Aug. '02.

Tanner Machine. — Reel. —

Turns 50 Cor. + 2 Depth 52 fms.

Shot or lead 26 Lbs.

Bottom Crs. co. S. Sh. for,

Bottom temperature

No. of thermometer 98277 Cor.

Corrected temperature

Air 85° Surface 77° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4 12		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kona Point, 843° 15' N, 14.1'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
406	3700	
50	3800	
446	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.d. = 68.3

not

No. *4699* Date *11 Aug '02*
Sigsbee Machine. / Reel. *Hand*
 Turns *311* Cor. + *31* Depth *342*
 Shot or lead *35* Lbs.
 Bottom *gy. s.*
 Bottom temperature *42.5*
 No. of thermometer *98237* Cor. *-0.2*
 Corrected temperature *42.3°*
 Air *80°* Surface *77°* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5.55</i>	<i>5.52.05</i>	0		
<i>56</i>	<i>51.55</i>	100		
<i>57</i>	<i>50.50</i>	200		
<i>5 48</i>	<i>5.49.55</i>	300		
<i>48.10</i>		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

East Coast of Niihau Island
Kawahia Point, S 56° 45' W, 14.7'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Cat. Aug 11. 1902

507.

No. *4100* Date *Aug 11, 1902*

Machine. *#1* Reel. *Harvey*

Turns *300* Cor. + *30* Depth *330 fms*

Shot or lead *35 lbs.*

Bottom *gy. S. sh.*

Bottom temperature *44.4°*

No. of thermometer *98237* Cor. *-2*

Corrected temperature *44.2°*

Air *80* Surface *77* Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-36.30</i>	<i>43.25</i>	0		
<i>37.50</i>	<i>42.20</i>	100		
<i>38.35</i>	<i>41.20</i>	200		
<i>39.40</i>	<i>40.25</i>	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kawahioa Point, 866° 30' N, 12.7'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4310	205	3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Pat Log 76.3

No. 47 4751 Date Aug 11, 1922

Machine #1 Reel. Starry.

Turns 562 Cor. + 48 Depth 570 fms

Shot or lead 35

Bottom gy. S. M. For

Bottom temperature 39.5

No. of thermometer 75207 Cor. —

Corrected temperature 39.5

Air 80 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

31.30	34.45	0
32.20	34.40	100
33.10	34.35	200
34.00	34.30	300
34.50	34.25	400
35.40	34.20	500
36.30	34.15	600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Kawahioa Point, S 84° 30' 21.70, $\frac{4}{15}$

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4510	205	3500	
5-22	137	3600	
788	28	3700	
	5-22	3800	
	5-70	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

4702

Date

10.3

Machine.

Reel.

Turns

1345

Cor. +

113

Depth

1458

Shot or lead

60

Bottom

gy. S.

71

Bottom temperature

35.2

No. of thermometer

9825

Cor. - 0

Corrected temperature

35.2

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8:15.00	8:52.40	0		
25.40	51.40	100		
26.30	52.40	200		
27.20	53.40	300		
28.10	54.40	400		
29.00	55.40	500		
30.00	56.35	600		
30.55	45.30	700		
31.55	44.25	800		
32.55	43.20	900		
34.00	42.15	1000		
35.00	41.10	1100		
36.10	40.05	1200		
37.10	39.00	1300		
38.10	38.00	1400		
39.10	37.00	1500		
40.10	36.00	1600		
41.10	35.00	1700		
42.10	34.00	1800		
43.10	33.00	1900		
44.10	32.00	2000		
45.10	31.00	2100		
46.10	30.00	2200		
47.10	29.00	2300		
48.10	28.00	2400		

Kauahoa Point, N 76° W, 12.1'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

66
500
1345
1465
1345
1459

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 83.3

No. 14 Date 11/1/12
 Machine. Reel.
 Turns 870 Cor. + 76 Depth 946
 Shot or lead 60 # 76
 Bottom gy. s. 75. 47
 Bottom temperature 31.0
 No. of thermometer 98207 Cor. - 0
 Corrected temperature 37.0
 Air 79 Surface 77 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9. 29.00		0		
		100		
31.00	45.00	200		
31.50	43.47	300		
32.40	43.00	400		
33.30	41.50	500		
34.20	40.47	600		
35.10	39.45	700		
36.00	38.42	800		
37.00	37.40	900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Remains 870 (21.0)

Kauahoa Point, N 69° 45' W, 9 ⁶/₁₀'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

340 20.5
870 13.9
3440 6
570
94.6

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

45 86.3

No. 4704 H4 Date 11 1891 02

Machine. 1 Reel. 1500

Turns 440 Cor. + 41 Depth 481

Shot or lead 35 X

Bottom fine sand & shells 40 6 fms.

Bottom temperature

No. of thermometer 98237 Cor. - 0

Corrected temperature 40.6

Air 79 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
13.22.00	10.27.50	0		
20.45	28.00	100		
21.40	27.00	200		
22.30	26.06	300		
23.20	25.00	400		
10.23.00	10.24.40	440		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Sound 11 x 10 (1/100)

Kawahira Point, N 56° W, 5 $\frac{3}{10}$.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4310 201
 430 164
 3770 41
 200
 481

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

571
 Sigsbee Machine. Reel. Navy
 No. 4705 Hy Date 11 Aug. '02
 Turns 357 Cor. + 30 Depth 387 fms.
 Shot or lead 37 #
 Bottom fine co. s. fm
 Bottom temperature 42.0
 No. of thermometer 98237 Cor. -0
 Corrected temperature 42.0
 Air 79 Surface 77 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.01.30	11.07.20	0		
02.40	06.20	100		
03.20	07.20	200		
04.20	06.20	300		
11.04.40	11.05.40	357		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kawahira Point,
N 15° W, 3510'

South Coast of
Niihau Island

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4310 205

357 170

3700 35

357

392

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4706* Date *11 Aug 22*
Sigsbee Machine. Reel.
 Turns *304* Cor. + *30* Depth *334*
 Shot or lead *36 lb*
 Bottom *fine. co. s. / 50*
 Bottom temperature
 No. of thermometer *78233* Cor. *-0*
 Corrected temperature *42.0*
 Air *99* Surface *77* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.42.30</i>	<i>11.49.20</i>	0		
<i>43.30</i>	<i>48.10</i>	100		
<i>44.20</i>	<i>47.10</i>	200		
<i>11.45.20</i>	<i>11.46.10</i>	300		
		<i>304</i>		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kawahira Point, N 31° E, 4470'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
4310	3500	201
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

S. S. M., P. L. = 95.3

No. *4440* Date *12 Aug 02*
Sigsbee Machine. / Reel. *Hand*
 Turns *843* Cor. + *74* Depth *917* fms.
 Shot or lead *36* lbs.
 Bottom *Crs. Hal. S.*
 Bottom temperature *37.3*
 No. of thermometer *98237* Cor. *-0*
 Corrected temperature *37.3°*
 Air *77°* Surface *77°* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12. 25.30</i>	<i>12. 45.45</i>	0		
<i>26.35</i>	<i>46.45</i>	100		
<i>27.40</i>	<i>45.05</i>	200		
<i>28.50</i>	<i>44.05</i>	300		
<i>30. -</i>	<i>42.40</i>	400		
<i>31.10</i>	<i>42.25</i>	500		
<i>32.30</i>	<i>41. -</i>	600		
<i>33.45</i>	<i>39.40</i>	700		
<i>35. -</i>	<i>38.10</i>	800		
<i>12. 35.40</i>	<i>12. 37.25</i>	<i>843</i>		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kawakawa Point N 3408 7.0

0.70
3.50

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4310	205
843	131
<hr/> 3467	<hr/> 74
	8143

91'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

S.S.V., P.L. 9.

No. 44. 11508. Date 12 Aug '02.

Machine. 1 Reel. Name.

Turns 1200 Cor. + 102 Depth 1302 fms.

Shot or lead 60 lbs.

Bottom Glob.

Bottom temperature 35.6

No. of thermometer 98237. Cor. -0

Corrected temperature 35.6°

Air 79° Surface 77° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 19.20	1. 45.55	0		
20.15	44.55	100		
21.05	43.40	200		
21.55	42.45	300		
22.45	41.35	400		
23.35	40.25	500		
24.25	39.20	600		
25.30	38.20	700		
26.25	37.05	800		
27.20	35.50	900		
28.20	34.30	1000		
29.15	33.20	1100		
1. 30.20	1. 31.40	1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauahine Unit N 35° 30' E, 8 ¹/₁₀'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
4310	2105	3700	
1700	103	3800	
3110	102	3900	
	1200	4000	
	1302		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

C. 10.5

No. 4107 Date Aug 12, 1902.

Sigsbee Machine. #1 Reel. Navy

Turns 218 Cor. + 22 Depth 240 fms

Shot or lead 35 lbs

Bottom Sha. Glob.

Bottom temperature 49.8

No. of thermometer 98237 Cor. -0.2

Corrected temperature 49.6

Air 78 Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

5- 46.50

52.10

0

47.40

51.05

100

48.30

50.00

200

49.50

49.50

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Kauai Channel

{ East Coast of
Kauai Island }

~~446300-447~~

N 61° W, 3 ⁶/₁₀

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

0.6
100

215
22

200

4510

205

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Cat. 12.5

007

No. 4710 Date Aug 12, 1912

Sigsbee Machine #1 Reel. Long

Turns 345 Cor. + 38 Depth 433 fms

Shot or lead 35 lbs.

Bottom fine. Co. Vol. S.

Bottom temperature 41.2

No. of thermometer 75287 Cor. -0

Corrected temperature 41.2

Air 78 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-53.50	35.40	0		
27.50	34.35	100		
35.40	33.35	200		
29.50	32.40	300		
33.30	31.35	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauai Point N 63° 30' W, 5 1/10'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
395	167	3600	
<hr/>		3700	
3915	38	3800	
	395	3900	
<hr/>		4000	
	433		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Oct Log 1115

not
Autograph

No. *4711* Date *Aug 12, 1902.*
Sigsbee Machine. *#1* Reel. *Stam.*

Turns *470* Cor. + *44* Depth *514 fms*

Shot or lead *60 lbs*

Bottom *Crs. Vol. S. Mob*

Bottom temperature *40°*

No. of thermometer *98237* Cor. *-0*

Corrected temperature *40°*

Air *79* Surface *78* Drift

Trawl or dredge

and

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-13.40</i>	<i>23.25</i>	0		
<i>14.25</i>	<i>22.20</i>	100		
<i>15.25</i>	<i>21.20</i>	200		
<i>16.10</i>	<i>20.25</i>	300		
<i>16.55</i>	<i>19.25</i>	400		
<i>17.30</i>	<i>18.40</i>	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauai Point. N 71° W, 1/10'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4310	205	3400	
470	161	3500	
3840	44	3600	
	470	3700	
	514	3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4176 Date Aug 12, 1902.
 Machine #1 Reel. *Chapman*
 Turns 617 Cor. + 16 Depth 632, 714
 Shot or lead 38 lb.
 Bottom gy. S. M. M.
 Bottom temperature 38.3
 No. of thermometer 75337 Cor. -0
 Corrected temperature 38.3 (38.30 E)
 Air 71 Surface 74 Drift 4.0
 Trawl or dredge 4 ft.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.54.30	11.00	0	7.54.30	4.51.00
7.55.30	12.00	100	7.55.30	4.52.00
01.30	11.00	200	30.10	4.53.00
2.40	10.00	300	31.30	4.54.00
3.50	9.00	400		4.55.00
5.00	8.10	500	41.30	4.56.00
6.10	7.10	600	42.40	4.57.00
7.20.30	6.20.00	700	43.50	4.58.00
		800	45.00	4.59.00
		900	46.30	4.59.30
		1000	47.40	4.59.40
		1100	04.30	4.59.00
		1200		
		1300	4 m	
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauai Point. N 73° 30' W, 8⁶/₁₀

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4310	300	3400	
017	1.50	3500	
2592		3600	
	617	3700	
	674	3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
17. 30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4712 Date July 10 1902

Machine. Reel.

Turns 192 Cor. + 40 Depth 232

Shot or lead

Bottom gy. S. M. Sh.

Bottom temperature 40.0

No. of thermometer 98237 Cor. -0

Corrected temperature 40.00

Air 80 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.56.30	10.07.05	0
57.30	06.05	100
58.30	05.05	200
59.30	04.00	300
10.00.35	03.00	400
01.40	10.02.20	492

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

This marks
wave
514176-

Kauai Sound. 8 840 30' W, 10⁵/₁₀

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
472	168	3700	
3818	45	3800	
	272	3900	
	537	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

387

No. 4177

Date 12 31 67

Machine.

Reel.

Turns 112

Cor. + 2

Depth 114

Shot or lead 35 lb

Bottom gy. S. Glob.

Bottom temperature 41.0

No. of thermometer 98737

Cor. - 0

Corrected temperature 41.0

Air 01

Surface 78

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1 40.30

41.40

0

1 3.30

12.59.30

100

57.05

56.55

200

12.04.00

53.30

300

05.10

50. -

400

08.55

46.45

412

12.30

43.15

500

16. -

39.30

600

21. -

625

27.51

700

637

12.24. -

12.15

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

20 min.

* Haul on bottom

Kauahoa Point, S 54° W, 17.5'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	25.2	3500	
412	166	3600	
5170	39	3700	
511	412	3800	
		3900	
	451	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *5. 4178* Date *12 Aug. 02.*Machine. Recl. *11*Turns *290* Cor. + *29* Depth *319 fms.*Shot or lead *36 Lbs.*Bottom *C. P. R.*Bottom temperature *21.6 at 100*No. of thermometer *98237.* Cor.

Corrected temperature

Air *84°* Surface *78°* DriftTrawl or dredge *9' beam*{ *N 52° E*
1.7'

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.03.10 *1.09.30*

0

*1-19-30**03.55* *09.30*

100

*23-35**04.45* *09.30*

200

*27-30**56-20**1.05.30* *1.06.40*

300

*31-00**52-30*

400

*1-37-00**1-48-30*

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*also mark end**11 min**5. 4177.*

Kawahioa Point, 86°38'N, 17.6'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

(Net (Allyl) torn.

No. *3517* Date *12 Aug '02*

Sigsbee Machine. Reel. *Hand*

Turns *344* Cor. + *34* Depth *378 fms.*

Shot or lead *36 lbs.*

Bottom *R. P. Co.*

Bottom temperature *42.2*

No. of thermometer *71245* Cor. *-0.2*

Corrected temperature *42.0°* (N 11° W)

Air *84°* Surface *79°* Drift *1.0'*

Trawl or dredge *1/4' Blakey, etc.*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>2.05.45</i>	<i>2.13.30</i>	0	<i>2.07.30</i>	<i>3.07.30</i>
<i>06.30</i>	<i>12.20</i>	100	<i>22.45</i>	<i>03.40</i>
<i>07.55</i>	<i>11.20</i>	200	<i>25.40</i>	<i>3.00.00</i>
<i>09.30</i>	<i>10.20</i>	300	<i>30.-</i>	<i>57.10</i>
<i>2.09.-</i>	<i>2.10.20</i>	400	<i>33.20</i>	<i>54.10</i>
		<i>4204</i>	<i>36.10</i>	
		<i>4750</i>	<i>41.10</i>	<i>50.55</i>
		<i>500</i>	<i>2 42.-</i>	<i>2.50.-</i>
		<i>525</i>		
		<i>700</i>		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

After making out of 4750.

** Bottom.*

14 min.

Kauahoa Point, S 60° 45' W, 19.2'

OK
10532

1427
344
20766

205
171
344
= 19

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Net slightly down

No. *Dr. 4180.* Date *12 Aug. '02.**Sigsbee* Machine. 1 Reel. *Nav.*Turns *389* Cor. + *37*Depth *426 fms.*~~Shot or lead~~ *36 Lbs.*Bottom *P. Glob. R.*Bottom temperature *41.1*No. of thermometer *98237.* Cor. *-0*Corrected temperature *41.1*Air *86°* Surface *79°* Drift *0.0'*Trawl or dredge *5 1/2' Blake, a beam.*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.10.10 *3.18.50*

0

*3.21.40**18.30**10.55* *17.45*

100

*26. -**18.20**11.45* *16.45*

200

*29.55**12.10**12.40* *15.50*

300

*33.20**09.05**3.12.25* *3.14.45**389*
~~400~~*36.40**06.00*

500*

*40. -**4.02.45**also marks and*~~550~~~~42.15~~*59.20*

600

~~51.30~~*58.20*

625

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

* *18 min** *1 min.*

Kawahioa Point, 8.58° N, 19.5' -

OK
10/20
2/2

310.
387
3021
205
168
37
387
426

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

10/20 11/20

No. *4713* Date *June 12 1902*Machine. *#1* Reel. *Key*Turns *380* Cor. + *37* Depth *417 fms*Shot or lead *36 lbs*Bottom *Glob*Bottom temperature *41.2°*No. of thermometer *95237* Cor. *-0*Corrected temperature *41.2°*Air *86* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>31</i>			
<i>4-30-45</i>	<i>30.05</i>	<i>0</i>	
<i>31-45</i>	<i>29.00</i>	<i>100</i>	
<i>32-05</i>	<i>27.55</i>	<i>200</i>	
<i>34-05</i>	<i>26.05</i>	<i>300</i>	
<i>35-10</i>	<i>25.20</i>	<i>400</i>	
		<i>500</i>	
		<i>600</i>	
		<i>700</i>	
		<i>800</i>	
		<i>900</i>	
		<i>1000</i>	
		<i>1100</i>	
		<i>1200</i>	
		<i>1300</i>	
		<i>1400</i>	
		<i>1500</i>	
		<i>1600</i>	
		<i>1700</i>	
		<i>1800</i>	
		<i>1900</i>	
		<i>2000</i>	
		<i>2100</i>	
		<i>2200</i>	
		<i>2300</i>	
		<i>2400</i>	

Kauai Point, 857° W, 22.3'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
380	153	3600	
3730	37	3700	
	352	3800	
	717	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stacy
 No. *4714* Hy. Date *13th Aug. '02*
Machine. / Reel.
 Turns *818* Cor. + *72* Depth *890 fms*
~~Shot or lead~~ *35 lb*

Bottom *br m s*
 Bottom temperature *37.0*
 No. of thermometer *98237* Cor. *-0*
 Corrected temperature *37.00*
 Air *75* Surface *77* Drift
~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7:03.50</i>	<i>1.21.00</i>	0		
<i>04.30</i>	<i>20.00</i>	100		
<i>05.00</i>	<i>19.00</i>	200		
<i>06.00</i>	<i>17.55</i>	300		
<i>06.55</i>	<i>16.50</i>	400		
<i>07.50</i>	<i>15.40</i>	500		
<i>08.45</i>	<i>14.35</i>	600		
<i>09.50</i>	<i>13.15</i>	700		
<i>10.00</i>	<i>12.10</i>	800		
<i>11.15</i>	<i>7.12.00</i>	<i>518</i> 900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Source M. J. (p. 50)

South Coast of Karan Island
 Ukula Point, N 66° E, 5.5'

OK
 3000
 3100

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

H310 20.1
 818 133
 3492 72
 818
 898

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4715 #4* Date *12 Aug. 02*
Sigsbee Machine. Reel. *Nov.*
 Turns *929* Cor. + *8* Depth *1010 fms*
 Shot or lead *60*
 Bottom *br m. s.* *366°*
 Bottom temperature
 No. of thermometer *98237* Cor. *-0*
 Corrected temperature *36.6°*
 Air *79* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>40.50</i>	<i>7.57.10</i>	0		
<i>41.35</i>	<i>58.10</i>	100		
<i>42.10</i>	<i>57.10</i>	200		
<i>43.00</i>	<i>56.10</i>	300		
<i>43.50</i>	<i>55.10</i>	400		
<i>44.40</i>	<i>54.05</i>	500		
<i>45.30</i>	<i>53.00</i>	600		
<i>46.15</i>	<i>51.50</i>	700		
<i>47.10</i>	<i>50.50</i>	800		
<i>48.20</i>	<i>49.40</i>	900		
<i>48.40</i>	<i>49.30</i>	<i>929</i>		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ukula Point, N 59° 30' E., 6.3'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
1/2 10 20 V	3600	
929 124	3700	
3381 86	3800	
7 2 7	3900	
10 10 11	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 52.3

No. *4716* Date *12 Aug '02*

Rigden Machine. / Reel.

Turns *854* Cor. + *75* Depth *929 fms.*

Shot or lead *60 Lbs*

Bottom *gy S M Fr.*

Bottom temperature *36.8*

No. of thermometer *98237* Cor. *-0*

Corrected temperature *36.8*

Air *78°* Surface *77°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.25.50</i>	<i>10.41.25</i>	0		
<i>26.40</i>	<i>40.30</i>	100		
<i>27.30</i>	<i>39.25</i>	200		
<i>28.25</i>	<i>38.20</i>	300		
<i>29.20</i>	<i>37.20</i>	400		
<i>30.10</i>	<i>36.30</i>	500		
<i>31.10</i>	<i>35.20</i>	600		
<i>32.15</i>	<i>34.15</i>	700		
<i>33.15</i>	<i>35.20</i>	800		
<i>10.33.40</i>	<i>10.34.40</i>	<i>854</i> 900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ukula Point, N 37° 45' W, 6.5'

O.K.
W.D.
K.S.

4310
854
3456

205
130
75
854

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

729

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Cast No. 55.3

No. 4717 Date Aug 18 02

Sigsbee Machine. Reel.

Turns 347 Cor. + 34 Depth 381

Shot or lead 60 lbs

Bottom fine co S

Bottom temperature 42.5

No. of thermometer 9533 Cor. -0.2

Corrected temperature 42.30

Air 78 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-14.40

18.5

0

15.35

18.45

100

16.20

18.50

200

17.10

19.40

300

18.40

19.00

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Ukula Point, N 74° 15' W, 13.5'

K
G
H
I

4310
347
3968

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Pat. 12.3

No. *4718* Date *Aug 13, 1902*

Machine. *1* Reel. *1*

Turns *320* Cor. + *2* Depth *322 fms*

Shot or lead *35*

Bottom *fine. co. S. For*

Bottom temperature *42.60*

No. of thermometer *7823* Cor. *-0.2*

Corrected temperature *42.40*

Air *75* Surface *76* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3. 47.00 56.00
48.50 54.40
49.45 53.33
50.40 52.25
51 = 52.10

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

East Coast of Hanamaulu (Ahuiki) Whse
 Kawai, N 51° W, 5.7'

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

4310 205
 320 173
 3990 32
 320
 352

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

391-

P. 74.3.

No.

4181

Date

12 Aug. 07

Machine.

Reel.

H. 1000

Turns

745

Cor. +

66

Depth

811 fms

Shot or lead

Bottom

mang. S.

Bottom temperature

No. of thermometer

98237

Cor.

- 2.27

Corrected temperature

38.1

Air

76

Surface

76

Drift

2.2'

Trawl or dredge

52 ft

H. 1000, 0 ft

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

5.15.30 5.22.30
 11.40 5.25.30
 19.30 5.28.30
 20.20 5.30.30
 21.20 5.33.30
 22.30 5.36.30
 23.25 5.39.10
 24.20 5.42.10
 5.45.00 5.45.10

0 5.45.30 5.45.30
 100 47.00 21.40
 200 50.30 18.00
 300 54.00 15.00
 400 57.40 12.00
 500 60.30 08.20
 600 65.00 05.00
 700 68.30 01.20
 800 72.00 58.00
 900 75.15 54.20
 1000 79.20 50.20
 1100 86.00 46.00

1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400

26"

* 1000 ft

Course N. N. E. (true)

Atanamaulu Whse, N 56° W, 6.6'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
112	250	3600	
745	139	3700	
356	66	3800	
	745	3900	
	811	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4182* Date *13 Aug 07*
 Machine. *1* Reel. *1*
 Turns *616* Cor. + *55* Depth *671 fms*
 Shot or lead *60*
 Bottom *very S. G. R*
 Bottom temperature *38.4*
 No. of thermometer *9823* Cor. *-0*
 Corrected temperature *38.4* (*N 140 E*)
 Air *78* Surface *77* Drift *1.8'*
 Trawl or dredge *10' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.32.00	7.43.50	0	7.55.15	8.45.30
33.40	42.18	100	48.55	36.35
33.35	42.00	200	8.02.15	33.20
34.30	41.10	300	26.50	30.10
35.20	40.20	400	29.55	26.40
36.20	39.30	500	12.50	23.-
37.20	38.30	600	15.40	19.-
7.37.35	7.38.20	616	21.15	14.55
		800	24.50	08.25
		900	27.55	05.-
		1000	32.10	02.00
		1100	35.25	00.00
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Hanamaula Whse, N 74° 30' W, 5.6'

OK
10.87
12

4210 201
616 150
3694 55
616
671

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. raised completely.

No. 4183. Date 13 Aug. '02.

Machine. 1 Reel.

Turns 890 Cor. + Depth 25 fms.

Shot or lead 35 Lbs.

Bottom fm. gy. S. Blob

Bottom temperature 36.8

No. of thermometer 98237. Cor. -0

Corrected temperature 36.8 N 25° E

Air Surface Drift 2.1'

Trawl or dredge 9' Trawl, 3-35'

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.45.40	10.04.50	0	10.17. -	16.40
46.25	00.40	100	20.30	12.15
47.15	01.40	200	23.45	04.50
48.10	01.40	300	27.55	06.40
49.15	02.00.45	400	31.45	12-03.15
50.10	02.45	500	35. -	08.10
51.15	03.45	600	38.40	56.00
52.20	04.45	700	42.00	52.13
53.30	05.40	800	46. -	48.30
54.10	06.55.40	890	49.30	44.00
		900	52.05	40-40
		1000	57. -	36-20
		1100	01.10	32-00
		1200	03.50	27.50
		1250	07.15	11.24.25
		1300	11.20.50	
		1325		
		1375		
		1400		
		1500	20 min.	
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200	* Bottom	
		2300		
		2400		

Also marks end of

Manamau Whse, $\delta 87^{\circ} 15' W$, 6.1'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

394

507.

No. *5* 4184 Date *Aug 13 1882*

Machine. # *1* Reel. *1*

Turns 782 Cor. + 85 Depth 1067 fms

Shot or lead 60

Bottom *gy S*

Bottom temperature 36.30

No. of thermometer 78237 Cor. -0

Corrected temperature 36.30 (N 70 W)

Air 51 Surface 77 Drift 3.2'

Trawl or dredge 9' *Tomlinson's dredge*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
12.55	12.55	0	12.55.40	54.30
22.55	11.55	100	52.30	50.20
33.45	11.50	200	56.30	47.10
34.40	39.50	300	1-00.20	44.00
35.40	38.55	400	03.50	40.15
36.45	37.55	500	06.45	37.10
37.25	36.55	600	10.15	33.55
38.15	35.55	700	13.55	30.25
39.25	34.55	800	17.55	26.30
41.35	33.50	900	21.30	23.15
31.30	33.00	1000	24.30	19.35
		1100	25.20	15.45
		1200	32.30	12.30
		1300	35.20	07.10
		1350	37.25	
		1400	46.00	2-02.30
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25^m

Also made 4183.

Manamaulu Whse, 87°10'45" W, 7 $\frac{2}{18}$ '

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
2810	205	3500	
952	120	3600	
3323	85	3700	
	952	3800	
	1067	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

* Bottom 1330

395

571

No. *SV 4185* Date *Aug 14 1881*Machine. *#1* Reel. *2*Turns *720* Cor. + *80* Depth *1000 fms*Shot or lead *60 lbs.*Bottom *gy. S. M. For.*Bottom temperature *36.6*No. of thermometer *25227* Cor. *-*Corrected temperature *36.6* (N 17° E)Air *51* Surface *77* Drift *1/2*Trawl or dredge *9' Tanner, Tail & Wing Hights*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>3:31.15</i>	<i>20.50</i>	0	<i>3:26.30</i>	<i>6.01.20</i>
<i>3.45</i>	<i>19.45</i>	100	<i>31.20</i>	<i>59.40</i>
<i>5.50</i>	<i>18.45</i>	200	<i>35.00</i>	<i>58.10</i>
<i>6.50</i>	<i>17.45</i>	300	<i>39.20</i>	<i>56.40</i>
<i>7.50</i>	<i>16.50</i>	400	<i>42.50</i>	<i>54.40</i>
<i>9.50</i>	<i>15.55</i>	500	<i>46.50</i>	<i>52.20</i>
<i>16.50</i>	<i>14.55</i>	600	<i>49.50</i>	<i>49.10</i>
<i>17.45</i>	<i>13.55</i>	700	<i>53.00</i>	<i>46.00</i>
<i>08.50</i>	<i>12.50</i>	800	<i>57.00</i>	<i>42.25</i>
<i>09.55</i>	<i>11.45</i>	900	<i>4.00.00</i>	<i>38.10</i>
<i>12.10</i>	<i>11.30</i>	1000	<i>03.30</i>	<i>34.00</i>
		1100	<i>05.40</i>	<i>29.10</i>
		1200	<i>10.00</i>	<i>23.20</i>
		1300	<i>15.30</i>	<i>17.00</i>
		1400	<i>20.00</i>	<i>15.30</i>
		1500	<i>25.00</i>	<i>11.20</i>
		1600	<i>29.20</i>	<i>07.40</i>
		1700	<i>33.40</i>	<i>04.00</i>
		1800	<i>38.00</i>	<i>00.00</i>
		1900		
		2000	<i>22 m</i>	
		2100		
		2200		
		2300		
		2400		

Henamaulu Whse, 849°30'N, 8 $\frac{4}{16}$ '

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4310	205	3400	
220	125	3500	
3390	850	3600	
	920	3700	
	1000	3800	
		3900	
		4000	

271014 SERIAL TEMPERATURES 371

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns 1211 Cor. +

103

Depth

1314 fms

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor. - 0

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

6.10.10

6.4.30

0

11. -

12.14.30

100

11.50

12.29.00

200

12.40

12.48.30

300

13.35

13.07.30

400

14.50

13.22.30

500

15.50

13.37.30

600

16.30

13.52.30

700

17.50

14.07.30

800

18.30

14.22.30

900

19.15

14.37.30

1000

20.00

14.52.30

1100

6.21.10

6.6.30

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Station 4210, 838°45' W, 12.2'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4210

205

1211

102

3099

102

1211

104

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

376

P.L. = 80.3

No. 4186 Date

Machine. / Reel. No.

Turns 625 Cor. + 56

Depth 22 fms

Shot or lead 60 Lbs

Bottom gy. S. frv

Bottom temperature 38.1

No. of thermometer 78237. Cor. - 0

Corrected temperature 38.1

Air 36 Surface

Drift N 5° E 1.7

Trawl or dredge 9' Tanner, Tail & Ring Rig

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7.34.15	7.45.15	0	7.54.10	37.50
35.45	40.15	100	58.50	34.15
36.25	41.45	200	8.00.00	31.15
37.15	42.15	300	07.30	28.30
38.-	43.45	400	11.45	24.50
38.55	42.50	500	15.50	21.20
39.50	41.50	600	19.00	17.45
40.50	40.50	700	53.50	14.10
		800	29.30	09.50
		900	37.35	05.10
		1000	35.50	00.50
		1100	28.10	58.40
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

20 Min

Bottom at 840 fms

Hammer 2 lbs. 848915' 11, 7 1/10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

11310

646

22511

200

143

155

220

212

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Test on pump weight
35 lb. shot.

397

507.

No. *4187* Date *Aug 13, 1902*

Machine *Recl. Navy*

Turns *465* Cor. + *43* Depth *508 fms*

Shot or lead *60 lbs.*

Bottom *gy. S. for 40'*

Bottom temperature

No. of thermometer *71237* Cor. *-0*

Corrected temperature *50.0* { *N 130 E*
1.5'

Air *76* Surface *77* Drift

Trawl or dredge *5 fathom, 5 ft & 7 ft 7 ft 7 ft*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>45.15</i>	<i>55.55</i>	0	<i>18 02.00</i>	<i>18.00</i>
<i>45.55</i>	<i>54.55</i>	100	<i>06.40</i>	<i>14.45</i>
<i>46.50</i>	<i>53.55</i>	200	<i>10.20</i>	<i>11.30</i>
<i>47.40</i>	<i>52.55</i>	300	<i>14.20</i>	<i>08.05</i>
<i>48.35</i>	<i>52.00</i>	400	<i>17.45</i>	<i>04.40</i>
<i>49.25</i>	<i>51.20</i>	500	<i>20.10</i>	<i>11.01.05</i>
		600	<i>23.00</i>	<i>57.50</i>
		700	<i>27.50</i>	<i>53.45</i>
		<i>800</i>	<i>31.00</i>	<i>51.45</i>
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Bottom 580 fms

Howanapeter H¹o¹o, S 38° 45' N, E 1/4

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4310	205	3400	
465	162	3500	
<hr/>		3600	
3845	43	3700	
	465	3800	
	<hr/>		
	508	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy 4730* Date *Aug 13, 1902*
Sigsbee Machine. #1 Reel. *Harvey*
 Turns *645* Cor. + *58* Depth *703 fms*
 Shot or lead *35 lbs.*
 Bottom *gy. S. M. S.*
 Bottom temperature *38.30*
 No. of thermometer *98237* Cor. *-0*
 Corrected temperature *38.30*
 Air *78* Surface *77* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-23.40</i>	<i>37.35</i>	0		
<i>24.30</i>	<i>36.30</i>	100		
<i>25.20</i>	<i>35.30</i>	200		
<i>26.20</i>	<i>34.30</i>	300		
<i>27.15</i>	<i>33.25</i>	400		
<i>28.10</i>	<i>32.20</i>	500		
<i>29.10</i>	<i>31.20</i>	600		
<i>29.45</i>	<i>30.45</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Handwritten notes at the top of the page, including "Hansen's water table" and "3740 45' 74".

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
645	147	3600	
3665	58	3700	
	645	3800	
	703	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Raw of Bod ... dredge cable in forenoon of 15th August. Wiped it, and tarred it with 4 ... furnished by the ... mfgs.

Stetson
No. 4188

5

Date *Aug. 23 - 07*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *74* Surface *72*

Drift

Trawl or dredge *1500 surface net*

1 9/10 'Hav'

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>54</i>	<i>7.04</i>	<i>0</i>	<i>10</i>	
<i>7.08</i>	<i>7.18</i>	<i>100</i>	<i>10</i>	
<i>7.22</i>	<i>7.31</i>	<i>200</i>	<i>10</i>	
<i>7.27</i>	<i>7.47</i>	<i>300</i>	<i>10</i>	
<i>7.00</i>	<i>8.00</i>	<i>400</i>	<i>10</i>	
		<i>500</i>		
		<i>600</i>		
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

542 fathoms 10
total time 57

Honolulu to San Francisco.

28°13'42"N 145°44'W.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3600

3700

3800

3900

4000

28th & 29th Jan 1900

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Water too cloudy. Little negatives from 100 fms Sunlight. Sea. Fair- ing rain. Squalls.			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

399

507.

No. *SV 4159* Date *Aug 25 1902*

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

2 Surface Trawl, S.C. Trawl

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.32

6.42

0

10 min, 2 nets

100

6.47

6.57

200

10 min, 2 nets

300

7.00

7.10

400

10 min, 2 nets

500

7.14

7.24

600

Still side only
Port net torn.

700

7.29

7.39

800

Shifted net
to Port beam

900

1000

3 hauls with 2 nets

1100

2

"

1200

" 1 "

1300

= 8 hauls 50 min.

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Obs. Log 40.5

31° 34' 12" N. 139° 08' 11" W.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>Current 30m depth Surface temperature 31.0 N. 139.0 W. Bottom 200m</i>			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Both net hauls
empty*

-400-

S.L. 24.5 } 0.4 m.
24.9

No. Dr. 4190. Date Aug. 27th, '02.

Machine. - Reel

Turns - Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 69° Surface 69° Drift

Trawl or dredge 2 Surface Net, S. & P. booms,

-SOUNDING WIRE-

-DREDGE ROPE-

DOWN.	UP.	TURNS.	DOWN.	UP.
6.33	6.42	100	10 m. each.	
6.46	6.56	200	10 m.	"
6.59	7.08	300	10 m.	"
7.12	7.22	400	10 m.	"
7.25	7.35	500	10 m.	"
7.38	7.48	600	10 m.	"
= 12 hauls (for 6 simultaneous); 60 minutes.		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

340 39' 18" N. 132° 04' W.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>Fair, partly cloudy, and pleasant. Gentle breeze from North. Light Sea. —</i>			
50				
100				
200	<i>Pat. Log at beginning 24.5, and at end of surface haul, 24.9</i>			
300				
400	<i>Ship having made 0.4 mile.</i>			
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *Surface* *Drift*
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Date*
 Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *Surface* *Drift*
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of thermometer**Cor.**Corrected temperature**Air**Surface**Drift**Trawl or dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of thermometer**Cor.**Corrected temperature**Air**Surface**Drift**Trawl or dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		